

Part Number: 573945

Surveillance CCTV, Mini-RG59 #25 BC, 94% BC Braid, CM



Product Description

Surveillance & CCTV Cable, mini-RG59, Rated-CM, 25 AWG solid bare copper, foam polyolefin core, 94% bare copper braid, PVC jacket

Technical Specifications

Product Overview

Suitable Applications:	Analog/Video CCTV
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Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	Nominal Diameter	No. of Coax
25	Solid	BC - Bare Copper	0.018 in	1

Conductor Size:	25 AWG
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Insulation

Material	Nominal Diameter
Gas-injected FPE - Foam Polyethylene	0.085 in

Outer Shield Material

Type	Material	Coverage [%]
Braid	BC - Bare Copper	94 %

Outer Jacket Material

Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.146 in

Weight:	0.8 lbs
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Construction and Dimensions

OuterJacket1, Nominal Width:	0.85 mm
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Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Conductor DCR Conductor Resistance	Nominal Outer Shield DCR	Outer Conductor DCR
31 Ohm/1000ft	31 Ohm/1000ft	5.6 Ohm/1000ft	5.6 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Shield
16.9 pF/ft

Shielding:	Braid(s)
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Inductance

Nominal Inductance
0.109 µH/ft

Impedance

Nominal Characteristic Impedance
75 Ohm

High Frequency (Nominal/Typical)

Frequency [MHz]	Nom. Insertion Loss
1 MHz	0.45 dB/100ft
5 MHz	0.9 dB/100ft
10 MHz	1.3 dB/100ft
50 MHz	3 dB/100ft
100 MHz	4.1 dB/100ft
200 MHz	6 dB/100ft
400 MHz	8.6 dB/100ft
700 MHz	11.6 dB/100ft
900 MHz	13.5 dB/100ft
1000 MHz	14.5 dB/100ft

Delay

Max. Delay Skew	Nominal Delay	Nominal Velocity of Propagation (VP) [%]
80 ns/100m	1.27 ns/ft	80 %

Unbalanced Crosstalk

Typical Unbalanced NEXT %
0.8 MHz

High Freq

Frequency [MHz]
[delete] MHz
[delete] MHz
[delete] MHz
[delete] MHz
[delete] MHz
[delete] MHz
[delete] MHz
[delete] MHz
[delete] MHz
[delete] MHz

Voltage

UL Voltage Rating
300 V RMS

Temperature Range

UL Temp Rating:	75°C
Operating Temp Range:	-30°C To +75°C

Mechanical Characteristics

Bulk Cable Weight:	16 lbs/1000ft
Max Recommended Pulling Tension:	28 lbs
Min Bend Radius/Minor Axis:	1.5 in

Dimensions (WxHxD)

Height	Depth
0.87	0.87

Standards

NEC Articles:	800
NEC/(UL) Specification:	CM
CEC/C(UL) Specification:	CM
RG Type:	Mini 59/U Type
Series Type:	Series 59
RG / Series Type:	Series 59

Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
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EU Directive 2003/11/EC (BFR):	Yes
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive Compliance:	Yes
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2004-01-01
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

Suitability

Suitability - Burial:	No
Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes - Black only

Flammability, LSOH, Toxicity Testing

C(UL) Flammability:	FT1
UL Flammability:	UL1685 UL Loading
UL voltage rating:	300 V RMS

Plenum/Non-Plenum

Plenum (Y/N):	No
Plenum Number:	673948

Part Number

Variants

Item #	Color	Footnote
573945 0101000	Black	C
573945 010U1000	Black	
573945 0061000	Blue	C
573945 006U1000	Blue	
573945 001U1000	Brown	
573945 0051000	Green	C
573945 0021000	Red	C
573945 0091000	White	C
573945 0041000	Yellow	

Footnote:	C - CRATE REEL PUT-UP.
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